



Extension with Gates Installation Instructions

Read through all instructions before beginning any installation work.

1. Take off the strings.
2. Take off nut.
3. Cut off the E-string part of the nut. The finished (cut) edge of the remaining nut will be 2.5 mm from the center of the nut A-string groove. (See diagram)
4. Glue the modified nut back on.
5. Replace strings G and D. Wind the A string onto the previous E tuner.
6. Place extension body along side the fingerboard and scroll.
7. Draw curvature of scroll onto wood shim and rough cut out shape and place carved shim on top of scroll.
8. Saw off excess extension body so that it butts up to end of the Bass fingerboard.
9. If the sides of the bass fingerboard are thinner than 11mm then the bottom of the brass extension body needs to be filed down.
10. Draw the Bass fingerboard curvature, 0.5 mm higher, on butt end of the extension fingerboard. Hand-plane the extension fingerboard to match the curve of the Bass fingerboard.
11. Start final cutting of the (extension) wood shim while making sure that the extension body continues the trajectory that the E-string would follow toward scroll.
12. With the wood shim near final thickness, place the extension so it rests on the scroll and

(neck) nut area. Cut a little notch for the C-string to go through on the top end of the extension fingerboard. (We have found that the extension itself doesn't need

13. Wind C-string through the extension onto the A-string tuning machine. Even minimum tension on the string will pull the extension body solidly and securely into place. With the string as a guide, final adjustments can be made by:
 - a) Moving the top part of the extension slightly left or right so that the C-string will be centered on the extension fingerboard. Shape shim accordingly.
Cutting down the wood shim so that the clearance of the C-string will be (measuring from the bottom of the string) 5.5 mm of off the Bass fingerboard. You will be taking the C-string and extension on and off several times. If you have cut too much off the
 - b)
14. Find the right hole (on extension body) for the front L Bracket .
15. Screw both L brackets to the bottom of the brass extension.
16. Put extension back on scroll. Run the C-string through the extension.
17. Bend L brackets so that they are flush with pegbox wall.
18. Drill holes and screw L brackets to pegbox walls.
19. Place gates onto extension and regulate their height.
20. Final placement of gates will be adjusted when the string is tuned.